

M 6.8, 94km SW of San Antonio, Chile

Origin Time: 2019-08-01 18:28:05 UTC (Thu 13:28:05 local)

Location: 34.2317° S 72.3000° W Depth: 10.0 km

FOR TSUNAMI INFORMATION, SEE: tsunami.gov

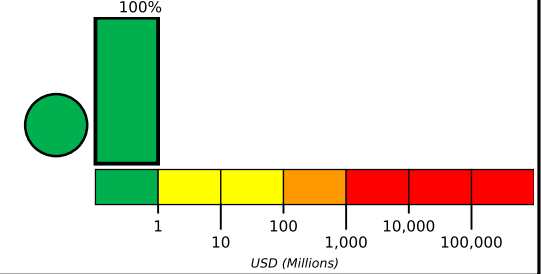
Created: 2 hours, 3 minutes after earthquake

Estimated Fatalities



Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses

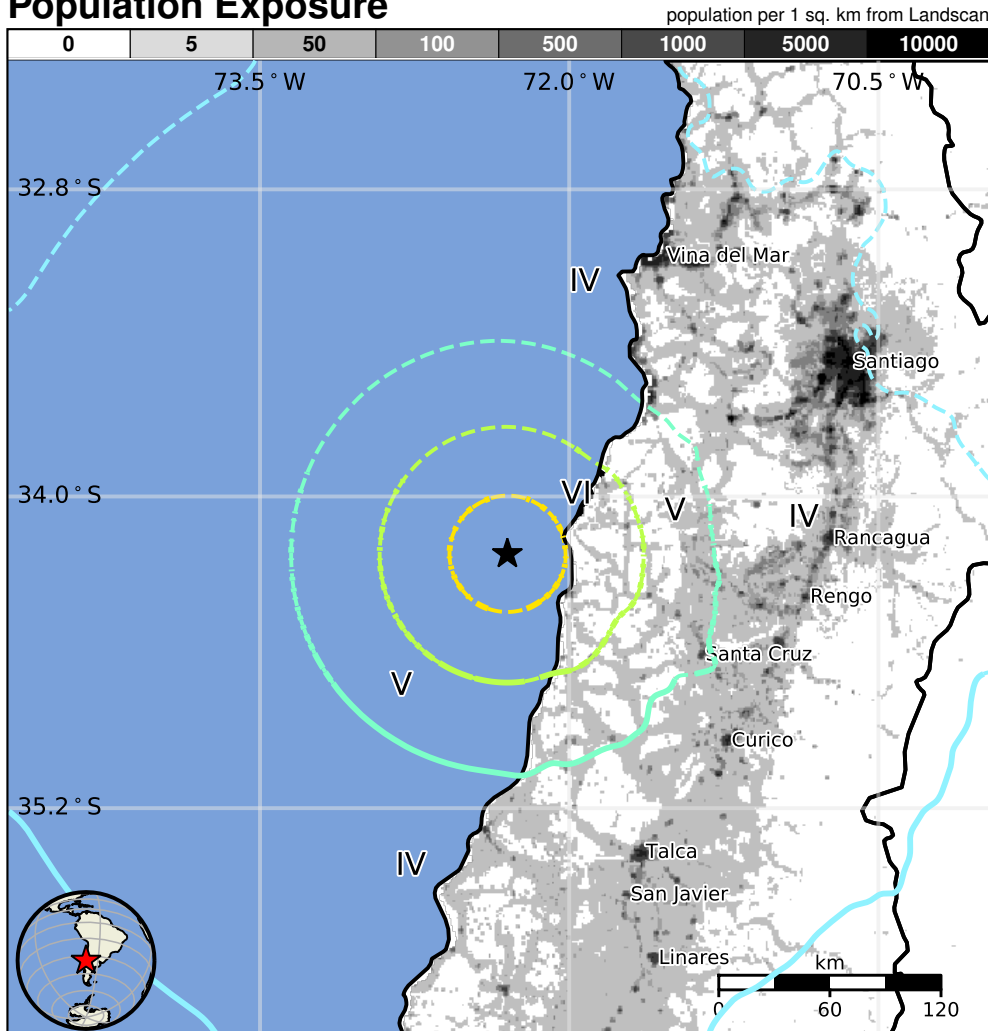


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	567k*	10,398k	196k	37k	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though resistant structures exist. The predominant vulnerable building types are adobe block with concrete bond beam and unreinforced brick with concrete floor construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1985-01-26	365	5.9	VIII(38k)	6
1997-10-15	386	7.1	VIII(3k)	7
1985-03-03	131	7.9	VII(5,319k)	177

Recent earthquakes in this area have caused secondary hazards such as landslides and liquefaction that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
V	Santa Cruz	33k
IV	San Antonio	86k
IV	Cartagena	17k
IV	Chimbarongo	17k
IV	San Vicente de Tagua Tagua	30k
IV	El Tabo	<1k
IV	Rancagua	213k
IV	Talca	197k
IV	Santiago	4,837k
IV	Puente Alto	510k
III	Valparaiso	282k

PAGER content is automatically generated, and only considers losses due to structural damage.

Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us60004yps#pager>

bold cities appear on map.

(k = x1000)

Event ID: us60004yps